

**International Workshop  
on  
RELIABILITY OF  
OFFSHORE  
OPERATIONS**

**Gaithersburg, Maryland  
March 20, 21 & 22, 1991**

**Sponsored by:**

**Minerals Management Service, U.S. Department of the Interior  
Canada Oil and Gas Lands Administration  
Petroleum Division, Department of Energy, U.K.  
National Institute of Standards and Technology  
American Society of Civil Engineers**

**Hosted by:**

**National Institute of Standards and Technology**

## **Purpose**

The purpose of the workshop is to discuss current practice, progress, and future directions in the fields of risk management and safety/reliability analysis of offshore oil and gas operations. Recent experience and case studies will be emphasized. Participants will include representatives of the petroleum industry, consulting firms, government agencies, and academic and research institutions.

## **International Advisory Committee**

B. Ayyub, University of Maryland, USA  
R.G. Bea, University of California, Berkeley, USA  
C.A. Cornell, Stanford University, USA  
J. G. Galloway, Exxon Production Research Co., USA  
T. Gjerstad, Technica a.s, Norway  
M.A. Nessim, Center for Frontier Engineering Research, Canada  
P. Schneider, Minerals Management Service, USA  
E. Simiu, National Institute of Standards and Technology, USA  
(chairman)  
R.J. Smith, Canada Oil and Gas Lands Administration, Canada  
B. Stahl, Amoco Production Company, USA  
W.J. Supple, Department of Energy, UK  
J. Thebault, Elf Aquitaine, France

## **General Information**

### **Location**

The Conference will be held in the Green Auditorium of the Administration Building, National Institute of Standards and Technology, Gaithersburg, Maryland.

### **Travel**

Commercial van service is available from Baltimore-Washington Airport to the Gaithersburg area. Go to the Ground Transportation Desk near the luggage claim area.

Airport Transfer Van Service **301/948-4515** is available from Dulles and Washington National to Gaithersburg.

The Washington Metro has subway service to Gaithersburg. The Metro System can be boarded at Washington National Airport. Take a Yellow Line Train marked "Gallery Place" and transfer to a Red Line Train marked "Shady Grove" to Shady Grove. Service is every 6 to 15 minutes depending on the time of day. The time from National to Shady Grove is about 50 minutes. The Shady Grove station is approximately 4 miles from NIST.

NIST provides shuttle service for official visitors and staff (call **301/975-5922** for reservations). The Shuttle leaves on the quarter and three-quarter hour (e.g., 8:15, 8:45 . . . 5:15, 6:00) from the West side of the Metro Kiss and Ride Parking Lot.

### **Housing**

A block of rooms has been set aside for Conference attendees at the Gaithersburg Holiday Inn, Gaithersburg, Maryland, **301/948-8900**. The special conference rate is \$55 single or double. To register for rooms, please use the enclosed room registration form and send it directly to the hotel no later than **March 4, 1991**.

### **Coffee Breaks and Lunches**

Refreshments will be available at breaks. Lunch will be provided for attendees. You will find a lunch ticket behind your name badge in the badge holder. Give your lunch ticket to the cashier in the cafeteria.

### **Social Functions**

In order to provide informal interaction, a Banquet dinner will be held at the Gaithersburg Holiday Inn, March 20, at 6:30 p.m. A cash bar will be available.

## **General Information**

### **Registration**

A registration fee of \$150 will be charged to all attendees to help defray the costs of conducting the Conference. Attendees are requested to return the enclosed registration form along with payment for the Conference to:

Office of the Comptroller  
A807 Administration Building  
National Institute of Standards and Technology  
Gaithersburg, MD 20899

Or fax to:

Lori Phillips  
PAD/Conference Office  
301/926-1630

### **Communication**

The telephone number for contact with the Conference will be available at the registration desk. There will be a message board in the Information Area. Please check this frequently during the Conference. Attendees will not be called out of the sessions to receive telephone calls except in emergencies.

### **For further technical information please contact:**

Dr. Emil Simiu  
301/975-6076

### **For further registration information please contact:**

Lori Phillips  
301/975-3881

## **Agenda**

**March 20, 1991**

### **Plenary Session - Administration Building, Green Auditorium**

- 9:00 Welcome and Introduction
- 9:15 Keynote Presentations
- Barry A. Williamson, Director, Minerals Management Service, U.S. Dept. of the Interior: "Perspectives on Safe, Pollution-free Offshore Oil and Gas Operations in the U.S."
- G.R. Yungblut, Director General, Engineering Branch, Canada Oil & Gas Lands Administration: "Safety and Environmental Protection for Offshore Oil and Gas Operations in Canada."
- J. R. Petrie, Head, Director of Safety, Petroleum Engineering Division, U.K. Department of Energy: "U.K. Government Enforcement Practice in Risk and Reliability Management of Offshore Oil and Gas Operations on the United Kingdom Continental Shelf."
- 10:15 H.W.D. Hughes O.B.E., Director General, U.K. Offshore Operation Association, Ltd.: "The U.K. Offshore Industry Approach to Safety Assessment."
- 10:55 Coffee Break
- 11:20 R. L. McGannon, Vice-President, Chevron Corporation, "Risk and Reliability Management in U.S. Offshore Oil and Gas Operations."
- 12:00 R.G. Bea, Professor, University of California at Berkeley: "Structural Safety: Codes, Innovative Designs, Rehabilitation, Maintenance."
- 12:40 Lunch
- 1:50 T. Gjerstad, General Manager, Technica a.s: "Safety Evaluation of Offshore Installations and Operations: Norwegian Experience and Regulatory Framework."
- 2:30 E. Simiu, National Institute of Standards and Technology: "Working Group Format and Tasks."
- 2:45 Coffee Break

# **Agenda**

## **March 20, 1991**

### **\* Working Group Sessions - (Meeting Rooms to be announced)**

3:15-5:15      Working Group Sessions - Theme Papers

6:30            Banquet

## **March 21, 1991**

9:00-12:45      Working Group Sessions

12:45           Lunch

2:00-5:00      Working Group Sessions

## **March 22, 1991**

### **Plenary Session - Administration Building, Green Auditorium**

9:00            Presentations by Working Group Co-chairmen and Discussion

12:00           Workshop Adjourns

### **\* Working Groups**

1. Experience Data Bases and Case Study Analyses (Co-chairmen: H.J. Grundt, Statoil, Norway, and R.C. Visser, Belmar, USA)
2. Risk Management Practices (Co-chairmen: J.M. Campbell, J.M. Campbell Co., USA, and J.E. Vinnem, SikteC a.s, Norway)
3. Structures, Risk and Reliability Issues (Co-Chairmen: C.A. Cornell, Stanford University, USA, and G. Edwards, Shell Research, The Netherlands)
4. Production Facilities (Co-chairmen: J. Frank Davis, Shell Oil Co., USA, and M. Torhaug, Det Norske Veritas, USA)
5. Pipelines and Subsea Systems (Co-chairmen: P.S.J. Price, Pulsesearch, Canada, and J.E. Strutt, Cranfield Institute of Technology, UK)
6. Drilling Operations (Co-Chairmen: A.T. Bourgoyne, Louisiana State University, USA, and G.V. Lever, Petro-Canada Resources, Canada)

## Hotel Reservation Card

### Reliability of Offshore Operations

**March 20, 21, & 22, 1991**

The Gaithersburg Holiday Inn

Gaithersburg, MD

**301/948-8900**

Last Name \_\_\_\_\_

First Name \_\_\_\_\_

Company \_\_\_\_\_

Street Address \_\_\_\_\_

Room Number/Mail Code \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Country \_\_\_\_\_

Business Phone \_\_\_\_\_

Will arrive on (day) \_\_\_\_\_ (time) \_\_\_\_\_ (date) \_\_\_\_\_

Will depart on (day) \_\_\_\_\_ (time) \_\_\_\_\_ (date) \_\_\_\_\_

Please reserve \_\_\_\_\_ room(s) for \_\_\_\_\_ person(s).

**Guaranteed Reservation \$55.00, single or double**

**All reservations must be received by: March 4, 1991.**

All room reservations must be guaranteed by a one night deposit. Reservations may be cancelled with no penalty prior to 6:00 p.m. on the scheduled arrival date. Please complete one of the following:

**Please apply 10% tax to the above rates.**

One night deposit enclosed \$ \_\_\_\_\_

Guaranteed by \_\_\_\_\_ exp. \_\_\_\_\_

Card # \_\_\_\_\_

Signature \_\_\_\_\_

**Please place in an envelope and mail to:**

The Gaithersburg Holiday Inn  
2 Montgomery Village Avenue  
Gaithersburg, Maryland 20879



## Registration Card

# Reliability of Offshore Operations

**March 20, 21, & 22, 1991**

The National Institute of Standards and Technology  
Gaithersburg, MD

Last Name \_\_\_\_\_

First Name \_\_\_\_\_

Company \_\_\_\_\_

Street Address \_\_\_\_\_

Room Number/Mail Code \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Country \_\_\_\_\_

Business Phone \_\_\_\_\_

Fax \_\_\_\_\_

**Registration Fee: \$150**

### Form of Payment

\_\_\_\_ Check enclosed made payable to: **NIST/Offshore Operations**. Checks from outside the U.S. should be written on a U.S. bank.

\_\_\_\_ Purchase Order attached.

Purchase Order # \_\_\_\_\_

\_\_\_\_ I will bring the Purchase Order to the Conference.

\_\_\_\_ MasterCard      \_\_\_\_ Visa

Account # \_\_\_\_\_ Exp. Date \_\_\_\_\_

Authorized Signature \_\_\_\_\_

**I am interested in being part of the following working group:**

\_\_\_\_ **Experience Data Bases and Case Study Analyses**

\_\_\_\_ **Risk Management Practices**

\_\_\_\_ **Structures: Risk and Reliability Issues**

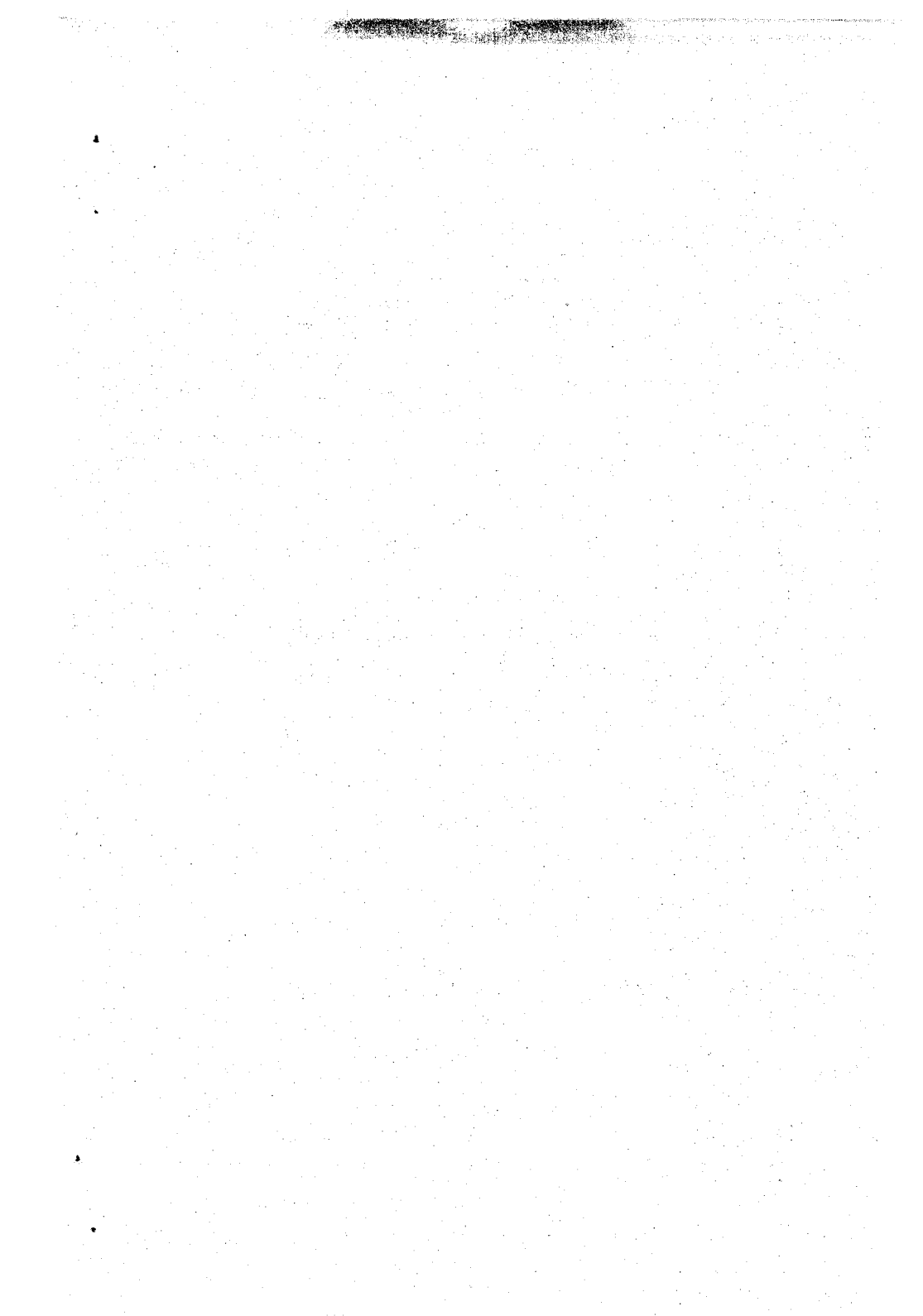
\_\_\_\_ **Production Facilities**

\_\_\_\_ **Pipelines and Subsea Systems**

\_\_\_\_ **Drilling Operations**

**Please place in an envelope and mail to:**

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A807 Administration Building  
National Institute of Standards and Technology  
Gaithersburg, MD 20899



**U.S. DEPARTMENT OF COMMERCE**  
National Institute of Standards and Technology  
Gaithersburg, MD 20899

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